



United States Patent Application

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: **DATA ENCODING AND DECODING IN A DATA STORAGE SYSTEM.**

The specification of which was filed on March 31, 2004 as application serial no. 10/815,269.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. § 1.56 (attached hereto). I also acknowledge my duty to disclose all information known to be material to patentability which became available between a filing date of a prior application and the national or PCT international filing date in the event this is a Continuation-In-Part application in accordance with 37 C.F.R. § 1.63(e).

I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

No such claim for priority is being made at this time.

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

No such claim for priority is being made at this time.

I hereby claim the benefit under 35 U.S.C. § 120 or 365(c) of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. § 1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

No such claim for priority is being made at this time.

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Aldous, Alan	Reg. No. 31,905	Hope, Libby	Reg. No. 46,774	Sayles, Crystal D.	Reg. No. 44,318
Anderson, Rob A.	Reg. No. 33,826	Huter, Jeffrey B.	Reg. No. 41,086	Seddon, Ken	Reg. No. 43,105
Bacon, Shireen	Reg. No. 40,494	Jalali, Laleh	Reg. No. 40,031	Seeley, Mark	Reg. No. 32,299
Barre, Michael	Reg. No. 44,023	Jordon, B. D.	Reg. No. 43,698	Shah, Ami P.	Reg. No. 42,143
Beale, Jay P.	Reg. No. 50,901	Kalson, Seth	Reg. No. 40,670	Simon, David	Reg. No. 32,756
Brake, Edward	Reg. No. 37,784	Lane, Thomas R.	Reg. No. 42,781	Skabrat, Steve	Reg. No. 36,279
Burge, Ben	Reg. No. 42,372	Lin, Issac	Reg. No. 50,672	Staheli, M. R.	Reg. No. 47,959
Chen, George	Reg. No. 50,807	Martinez, Anthony	Reg. No. 44,223	Steiner, Paul E.	Reg. No. 41,326
Choi, Glen	Reg. No. 43,546	McCall, Molly	Reg. No. 46,126	Stutman-Horn, Joni	Reg. No. 42,173
Cool, Kenneth J.	Reg. No. 40,570	Mennemeier, Larry	Reg. No. 51,003	Tran, David	Reg. No. 50,804
Crawford, Ted A.	Reg. No. 50,610	Metzger, Erik M.	Reg. No. 53,320	Travis, John F.	Reg. No. 43,203
Diehl, Robert	Reg. No. 40,992	Nagy, Paul	Reg. No. 37,896	Tweet, Kerry D.	Reg. No. 45,959
Draeger, Jeffrey S.	Reg. No. 41,000	Nesheiwat, Michael J.	Reg. No. 47,819	Wells, Calvin	Reg. No. 43,256
Engineer, Rahul	Reg. No. 47,548	Nicholls, Dennis A.	Reg. No. 42,036	Whittington, Stuart	Reg. No. 45,215
Faatz, Cindy	Reg. No. 39,973	Parker, Lanny	Reg. No. 44,281	Willardson, Michael	Reg. No. 50,856
Finn, James	Reg. No. 38,450	Pedersen-Giles, Alan	Reg. No. 39,996	Winkle, Robert G.	Reg. No. 37,474
Gagne, Christopher	Reg. No. 36,142	Peterson, Cathy	Reg. No. 41,249	Wisor, Rita	Reg. No. 41,382
Green, Sharmini N.	Reg. No. 41,410	Plimier, Michael D.	Reg. No. 43,004	Wong, Sharon	Reg. No. 37,760
Greenberg, Robert A.	Reg. No. 44,133	Proksch, Michael	Reg. No. 43,021	Yates, Steven D.	Reg. No. 42,242
Greenwald, Bradley A.	Reg. No. 34,341	Reif, Kevin A.	Reg. No. 36,381	Pfleger, Edmund P.	Reg. No. 41,252
Grossman, Steven J.	Reg. No. 35,001	Perreault, Donald J.	Reg. No. 40,126	Faber, Scott R.	Reg. No. 48,380
Placker, Jeffrey T.	Reg. No. 47,862	Rhodes, Richard D.	Reg. No. 53,513	Carroll, Kevin J.	Reg. No. 36,384

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Grossman, Tucker, Perreault & Pfleger, PLLC to the contrary.

Please direct all correspondence in this case to **Grossman, Tucker, Perreault & Pfleger, PLLC** at the address indicated below:
c/o PortfolioIP
P.O. Box 52050, Minneapolis, MN 55402
Telephone No. 603-668-6560

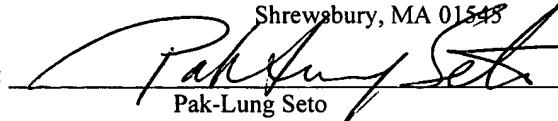
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of joint inventor number 1 : Pak-Lung Seto

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Post Office Address: 118 Walnut Street

Residence: Shrewsbury, MA

Signature:


Pak-Lung Seto

Date:

June 23, 2004

Additional inventors are being named on separately numbered sheets, attached hereto.

Full Name of joint inventor number 2 : **Deif N. Atallah**
Citizenship: **United States of America**
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Residence: **Chandler, AZ**

Signature: Deif N. Atallah
Deif N. Atallah

Date: June, 23 2004

§ 1.56 Duty to disclose information material to patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
- (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
- (1) Each inventor named in the application;
 - (2) Each attorney or agent who prepares or prosecutes the application; and
 - (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.